

DERWENT-ACC-NO: 1990-089606

DERWENT-WEEK: 199012

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TITLE: Medical endoscope lens - has
parallel plate in front
plane contg. cemented plano-convex
and plano-concave
lenses

INVENTOR: MOLEV, A I

PATENT-ASSIGNEE: MED INSTR RES INST[MEDIR]

PRIORITY-DATA: 1987SU-4341211 (December 9, 1987)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	
LANGUAGE		MAIN-IPC	
SU 1506417 A		September 7, 1989	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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SU 1506417A	N/A	
1987SU-4341211	December 9, 1987	

INT-CL (IPC): G02B009/62, G02B023/26

ABSTRACTED-PUB-NO: SU 1506417A

BASIC-ABSTRACT:

The endoscope has a plano-parallel plate (1) contg. a plano-convex and concave-plane lenses (2,3) acting as a correction component with negative optic power. A plano-convex (5), biconvex (6) and bi-concave (8) lenses form a power component. An aperture diaphragm (4) is situated on a flat surface between the plate (1) and the lens (5). It has focal length of 0.5mm,

aperture ratio of
1:4 field of view 80 deg. and optical dia. of 0.7mm.
USE/ADVANTAGE - In
optical instrumentation e.g. in medicine, in endoscopes
with image transmission
channel of 1mm dia. Improves image quality and is easier to
use.
Bul.33/7.9.89.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: MEDICAL ENDOSCOPE LENS PARALLEL PLATE FRONT
PLANE CONTAIN CEMENTED
 PLANO CONVEX PLANO CONCAVE LENS

DERWENT-CLASS: P81 S02

EPI-CODES: S02-J04;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1990-069160

